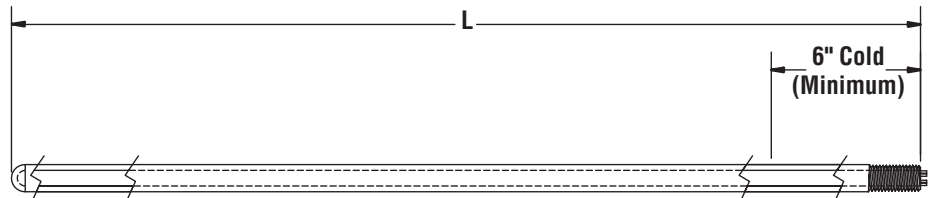


CS

Ceramic Sheathed Immersion Heater (SiAlON)

- Supplies Temperatures up to 2100°F
- .075" Dia. (Threaded)
- Tube Diameter of 28mm Only
- 120, 208, 240 and 480 Volt
- 100 W-In²



Applications

- Metal Bath Immersion
- Corrosive Service
- High Pressure Service
- Sheath Longevity Service

Description

This new ceramic-sheathed immersion heater is specially designed to supply temperatures up to 2100°F for direct immersion in processes such as molten metal baths, abrasive or corrosive service, high pressure, vacuum, and other extreme temperature applications. It may also be used in fluidized bed or catalytic reactors for processing highly-corrosive or acidic fluids, gases and vapors.

The ceramic sheath is composed of SiAlON tubing¹. The riser and housing assembly is hydrostatic pressure tested at 300 psi for NEMA 7 rating. Fittings can be any housing with NPT adapter, pipe plug, 1-1/2 NPS or larger flanges, or other customer specified metallic mounting plates.

Construction

- Ceramic sheath is available in 28mm OD tubing
- Standard lengths are determined by manufacturer availability. Other Lengths can be obtained, but require quotation from the vendor. Allow additional lead time for these items.
- Single phase or three phase delta
- Threaded tubing is available in 3/4" NPT only
- Designs are limited to 100 wpsi or less
- Cold lengths minimum is 6."

CS

Ceramic Sheathed Immersion Heater (SiAlON)

Specifications and Ordering Information

Dia mm	Standard Lengths "L"		Std Length	Watts	WPSI Sheath
	mm	in			
28	150	5.91		1449	65
28	300	11.81		2775	65
28	400	15.75		3659	65
28	450	17.72	STD	4101	65
28	500	19.69	STD	4543	65
28	600	23.62		5427	65
28	650	25.59	STD	5869	65
28	700	27.56		6311	65
28	750	29.53		6753	65
28	800	31.50	STD	7195	65
28	850	33.46		7637	65
28	860	33.86		7725	65
28	900	35.43	STD	8079	65
28	1000	39.37	STD	8962	65
28	1067	42.01		9555	65
28	1100	43.31	STD	9846	65
28	1150	45.28		10288	65
28	1200	47.24	STD	10730	65
28	1500	59.06	STD	13382	65
28	1900	74.80	STD	16918	65
28	1905	75.00	STD	16962	65
28	1975	77.76		17580	65

OVER-THE-SIDE

Model

CS Ceramic Sheathed Immersion Heater¹

Code	Element type				
T	Threaded				
P	Plain End				
		Code	No. of Coils		
		1	Single Phase		
		2	3PH Delta		
		3	3 Coil Series		
		4	3 Coil Parallel		
		Code	Length (mm)		
			Standards	Alternates	
			450	150	
			500	300	
			650	400	
			800	600	
			900	700	
			1000	750	
			1100	850	
			1200	860	
			1500	1050	
			1900	1067	
			1905	1150	
				1975	
		Code	Serial		
CS	T	1	450	XXXX	Typical Model Number

Notes:

1. SiAlON is a design specific product based on application. Consult factory.
2. Terminations welded jumper only.
3. Lead wires integral to design.
4. Threaded ends for 3/4" NPT connection.
5. Watt Density: 100 WPSI or less
6. 28 mm (1.10 in) OD only.